

AMENDMENTS TO THE CLAIMS:

Please amend claims 1 and 7, as shown below. This listing of claims will replace all prior versions and listings of claims in the

Application:

Claim 1 (currently amended): A fuel supplier placed in a fuel supply system of a fuel cell, comprising:

a fuel vessel; [[and]]

a permeation control film coupled to the fuel vessel such that a supplementary fuel contained in said fuel vessel is restrictively transmitted,

wherein said supplementary fuel is allowed to move to said fuel supply system through said permeation control film,

wherein said permeation control film restricts the amount of transmission of said supplementary fuel based on a fuel concentration of a liquid fuel in said fuel supply system, and wherein said permeation control film comprises a fuel permeable film that transmits said supplementary fuel [[and]], a shutter member that is slidably placed on said fuel permeable film such that the shutter member controls an exposed area of said fuel permeable film[.]], and a rotary unit for controlling sliding movement of said shutter member.

Claim 2 (cancelled)

Claim 3 (previously presented): The fuel supplier as claimed in Claim 1, wherein said permeation control film changes its shape depending on the concentration of said liquid fuel such that the amount of transmission of said supplementary fuel is changed.

HAYES SOLOWAY P.C.
3450 E. SUNRISE DRIVE,
SUITE 140
TUCSON, AZ 85718
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567

Claim 4 (original): The fuel supplier as claimed in Claim 3, wherein said film shrinks and expands depending on the concentration of said liquid fuel so as to change its open area ratio.

Claim 5 (cancelled)

Claim 6 (previously presented): The fuel supplier as claimed in Claim 1, wherein said shutter member is responsive to the fuel concentration of said liquid fuel such that the shutter member restricts the amount of transmission of said supplementary fuel based on the fuel concentration of said liquid fuel in said fuel supply system.

Claim 7 (currently amended): The fuel supplier as claimed in Claim 1, wherein said ~~elastic~~ permeation control film has a cut portion formed therethrough, and a surface of said ~~elastic~~ permeation control film is allowed to expand and contract such that the cut portion changes its shape and that the exposed area of said ~~[[fuel]]~~ permeable control film is controlled.

Claim 8 (previously presented): The fuel supplier as claimed in Claim 1, further comprising a shutter control member that allows said shutter member to slide on the surface of said fuel permeable film such that the exposed area of said fuel permeable film is controlled.

Claim 9 (previously presented): The fuel supplier as claimed in Claim 1, wherein said fuel permeable film restricts the amount of transmission of said liquid fuel based on the fuel concentration of said liquid fuel in said fuel supply system.

Claim 10 (previously presented): The fuel supplier as claimed in Claim 1, further comprising a fuel supply unit that is placed adjacent to said fuel vessel through said permeation control film and configured so as to change its volume depending on its internal pressure.

Claim 11 (previously presented): A fuel cell, comprising:
a solid electrolyte membrane;

HAYES SOLOWAY P.C.
3450 E. SUNRISE DRIVE,
SUITE 140
TUCSON, AZ 85718
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567

a fuel electrode and an oxidant electrode placed on said solid electrolyte membrane;
and

a fuel supply system that supplies a fuel to said fuel electrode, wherein said fuel supply system has the fuel supplier as claimed in Claim 1.

Claim 12 (Original): The fuel cell as claimed in Claim 11, further comprising a gas duct through which a gas produced at said fuel electrode is guided to said fuel vessel.

HAYES SOLOWAY P.C.
3450 E. SUNRISE DRIVE,
SUITE 140
TUCSON, AZ 85718
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567